

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): An inkjet recording sheet comprising:
a high gloss cast coating recording layer on a support having air permeability, said high gloss cast coating recording layer comprising a pigment and a binder,
wherein said binder comprises mainly polyvinyl alcohol,
wherein said pigment is a mixture comprising alumina (A) and silica (B), said silica (B) having an average particle diameter of about 100-500 nm, and the average particle diameter of said alumina (A) is about 1.0 – 4.0 μm , wherein the weight ratio of A:B is about 95:5 - 50:50, and
wherein the polyvinyl alcohol of said cast coating recording layer comprises (a) polyvinyl alcohol having a polymerization degree of 1,000 or more and a saponification degree of about 98-99 mol %, and (b) polyvinyl alcohol having a polymerization degree of at least 1500 and a saponification degree of about 87-89 mol %, and
wherein said cast coating recording layer is a recording layer formed by the wet method, said wet method comprising a step having the function of solidifying the binder in the coating layer while the coating layer is still in the wet state.
2. (Cancelled):
3. (Original): The inkjet recording sheet according to claim 1, wherein said cast coating recording layer further comprises a polyarylamine hydrochloride.
4. (Previously Presented): The inkjet recording sheet according to claim 1, wherein said support comprises one or more underlayers containing a binder and a pigment on at least one surface of a base paper, and said pigment of said support contains synthetic amorphous silica (C) having an oil absorption amount of at least 200 ml/100 g, and ground calcium carbonate (D) wherein the

particles having a particle diameter of 2 μm or less account for 95 wt % or more, and the weight ratio C:D of said synthetic amorphous silica and ground calcium carbonate is about 50:50 – 80:20.

5. (Original): The inkjet recording sheet according to claim 1, wherein said silica (B) is silica to which cationic properties have been imparted.

6. (Original): The inkjet recording sheet according to claim 1, wherein said alumina (A) is γ -alumina.

7. (Cancelled):

8. (Previously Presented): The inkjet recording sheet according to claim 1, wherein the blending amount of the binder comprising mainly polyvinyl alcohol in said cast coating recording layer is about 5-30 wt parts relative to 100 wt parts of the pigment in said cast coating recording layer.

9. (Previously Presented): The inkjet recording sheet according to claim 4, wherein the average particle diameter of said ground calcium carbonate (D) is about 0.2 – 0.5 μm .

10. (Previously Presented): The inkjet recording sheet according to claim 4, wherein the blending ratio of binder in said underlayer is about 15 - 50 wt parts relative to 100 wt parts of the pigment in said underlayer.

11. (Cancelled):

12. (Cancelled):

13. (Currently Amended): The inkjet recording sheet according to claim 1 ~~4~~2, wherein said step of solidifying the binder uses a solidifying solution that contains boric acid and a borate.

14. (Previously Presented): The inkjet recording sheet according to claim 1, wherein the average particle diameter of said alumina (A) is 1.5-3.3 μm , and the average particle diameter of said silica (B) is 200-400 nm.

15. (Previously Presented): The inkjet recording sheet according to claim 1, wherein the weight ratio of A:B is about 80:20-60:40.

16. (Previously Presented): The inkjet recording sheet according to claim 1, wherein the blending ratio of polyvinyl alcohol (a) and polyvinyl alcohol (b) is 20:80-80:20.

17. (Previously Presented): The inkjet recording sheet according to claim 4, wherein the average particle diameter of said ground calcium carbonate (D) is 0.1-0.7 μm , and said synthetic amorphous silica (C) having an oil absorption amount of at least 300 ml/100 g,

18. (Previously Presented): The inkjet recording sheet according to claim 4, wherein the weight ratio C:D of said synthetic amorphous silica and ground calcium carbonate is 50:50 – 70:30.

19. (Previously Presented): The inkjet recording sheet according to claim 4, wherein the blending ratio of binder in said underlayer is 20-40wt parts relative to 100 wt parts of the pigment in said underlayer.

20. (Previously Presented): The inkjet recording sheet according to claim 1, wherein the coating amount of said recording layer is 5-30 g/m^2 per side of said support.

21. (Previously Presented): An inkjet recording sheet comprising:
a high gloss cast coating recording layer on a support having air permeability, said high gloss cast coating recording layer comprising a pigment and a binder,
wherein said binder comprises mainly polyvinyl alcohol,

wherein said pigment is a mixture comprising alumina (A) and silica (B), said silica (B) having an average particle diameter of about 100-500 nm, wherein the weight ratio of A:B is about 95:5 - 50:50,

wherein the polyvinyl alcohol of said cast coating recording layer comprises (a) polyvinyl alcohol having a polymerization degree of 1,000 or more and a saponification degree of about 98-99 mol %, and (b) polyvinyl alcohol having a polymerization degree of at least 1500 and a saponification degree of about 87-89 mol %, and

wherein said cast coating recording layer is a recording layer formed by the wet method, said wet method comprising a step having the function of solidifying the binder in the coating layer, while the coating layer is still in the wet state, using a solidifying solution that contains boric acid and a borate.

22. (New): The inkjet recording sheet according to claim 1, wherein said step of solidifying the binder comprises applying a solidifying solution to the coating layer while the coating layer is still wet, and the resultant semi-gelated coated surface is pressed against the mirror surface of a heated casting drum via a press roller.

23. (New): The inkjet recording sheet according to claim 13, wherein said step of solidifying the binder comprises applying said solidifying solution to the coating layer while the coating layer is still wet, and the resultant semi-gelated coated surface is pressed against the mirror surface of a heated casting drum via a press roller.

24. (New): The inkjet recording sheet according to claim 21, wherein said step of solidifying the binder comprises applying said solidifying solution to the coating layer while the coating layer is still wet, and the resultant semi-gelated coated surface is pressed against the mirror surface of a heated casting drum via a press roller.

25. (New): The inkjet recording sheet according to claim 13, wherein the blending ratio of borates to boric acid in said solidifying solution is 1/4 to 2/1 in terms of weight ratio after conversion to anhydrides.

26. (New): The inkjet recording sheet according to claim 21, wherein the blending ratio of borates to boric acid in said solidifying solution is 1/4 to 2/1 in terms of weight ratio after conversion to anhydrides.

27. (New): The inkjet recording sheet according to claim 23, wherein the blending ratio of borates to boric acid in said solidifying solution is 1/4 to 2/1 in terms of weight ratio after conversion to anhydrides.

28. (New): The inkjet recording sheet according to claim 24, wherein the blending ratio of borates to boric acid in said solidifying solution is 1/4 to 2/1 in terms of weight ratio after conversion to anhydrides.

29. (New): A process for preparing an inkjet recording sheet, said process comprising:
applying a high gloss cast coating recording layer onto a support having air permeability, said high gloss cast coating recording layer comprising a pigment and a binder; and
solidifying the binder in said coating layer while said coating layer is still in the wet state;
wherein said binder comprises mainly polyvinyl alcohol,
wherein said pigment is a mixture comprising alumina (A) and silica (B), said silica (B) having an average particle diameter of about 100-500 nm, and the average particle diameter of said alumina (A) is about 1.0 – 4.0 μm , wherein the weight ratio of A:B is about 95:5 - 50:50, and
wherein the polyvinyl alcohol of said cast coating recording layer comprises (a) polyvinyl alcohol having a polymerization degree of 1,000 or more and a saponification degree of about 98-99 mol %, and (b) polyvinyl alcohol having a polymerization degree of at least 1500 and a saponification degree of about 87-89 mol %.

30. (New): The process sheet according to claim 29, wherein said support comprises one or more underlayers containing a binder and a pigment on at least one surface of a base paper, and said pigment of said support contains synthetic amorphous silica (C) having an oil absorption amount of at least 200 ml/100 g, and ground calcium carbonate (D) wherein the particles having a

particle diameter of 2 μm or less account for 95 wt % or more, and the weight ratio C:D of said synthetic amorphous silica and ground calcium carbonate is about 50:50 – 80:20.

31. (New): The process according to claim 29, wherein said step of solidifying the binder comprises applying a solidifying solution to the coating layer while the coating layer is still wet, and pressing the resultant semi-gelated coated surface against the mirror surface of a heated casting drum via a press roller.